#BaltimoreDataWeek 2022

Friday, July 22: Baltimore Data Day & Unconference

9:30-10:15 AM
State of Baltimore’s Neighborhoods: Introduction to Vital Signs 20 and the Baltimore Community Change Project

Baltimore Data Week is made possible by our sponsors:
About the Baltimore Neighborhood Indicators Alliance

- Annual Release of *Vital Signs* “One-stop-shop” for comprehensive data indicators
  - Multiple topic areas
  - Longitudinal data (2000 – 2020)

- Member of the National Neighborhood Indicators Partnership at Urban Institute
  - Learning network of 30 cities focusing on data democratization
    - [http://www.neighborhoodindicators.org](http://www.neighborhoodindicators.org)
Meet the BNIA Team

• Seema Iyer, Director
• Cheryl Knott, Research Manager
• Logan Shertz, Research Analyst
• German Paredes, Developer
• Brittany McMullan, Real Estate Data Specialist
• Ashley Edwards, Civic Engagement and Communications
WHAT ARE VITAL SIGNS?

Vital Signs are data-points compiled from a variety of reliable sources that “take the pulse” of Baltimore’s neighborhoods. These community-based indicators form a picture of any given neighborhood’s quality of life and overall health. Vital Signs help community members, decision makers, and funders to measure progress towards meaningful, positive outcomes at the community level, and measure needs in specific and actionable ways.

By Topic Area

Census
Demographic
Housing and Children Community and Family
Development
Health and Well-Being
Crime and Safety
Workforce and Economic Development
Arts and Culture
Education and Youth
Sustainability
Which Indicators
We Heard From Communities

• Beginning in 2000 through a community-based outreach process
• Community Roundtables again in 2011 for the next decade
• Community perceptions on quality of life

- Racial Diversity Index
- Properties under foreclosure
- Vacant and abandoned housing
- Crime rates
- Unemployment rate
- High School Drop out rate
- Dirty Streets and Alleys
- Alternative Transportation Use
- Walk Score
- Poverty Rate
We Learn from Research

- Cash-Based Sales
- Historic Property Tax Credit
- Weatherized Homes
- Library Membership Rate
- Healthy Food Availability
- Mortality Rates
We Work with Policy Groups

- Kindergarten Readiness
- % of Students Switching Schools
- Life expectancy
- Event Permits
- No-Vehicle Households
- Miles of Bike Lanes
- Tax Lien Sales
Veritable “Stethoscope” On Neighborhoods

Percentage of Residential Properties that are Vacant and Abandoned

The percentage of residential properties that have been classified as being vacant and abandoned by the Baltimore City Department of Housing and Community Development.

Number of Gun-Related Homicides per 1,000 Residents

The rate of homicides by firearm as reported in Part 1 crime data per 1,000 residents in an area.
Purpose of the Baltimore Community Change project

- The work should empower us all to take action that will stop population loss and eliminate disparities in Baltimore.
- "Communities are our creative commons, human ecosystems that continually change" (Jane Jacobs). The act of monitoring and tracking this continual change is about empowerment and learning.
Preliminary Findings from 2020 Census Data

- Baltimore lost 5.7% of population overall
- No other East Coast city lost population at all; many gained more than 5% (Philadelphia)
- Metropolitan areas were the big winners
- Nationwide, counties with less than 50K lost more than 2% of population
East Coast Cities

- New York: +7.7%
- Philadelphia: +5.1%
- Boston: +9.4%
- Washington DC: +14.6%
- Providence, RI: +7.2%
- Newark, NJ: +12.4%
- Richmond: +11.0%
Enduring Divergence

• Same neighborhoods that grew in the last decade, grew again with very few exceptions.

• Cities and neighborhoods are realizing strong and predictable “network effects”
  • More (people, money, users, etc.) means exponentially more connections

• Neighborhoods that declined are isolated
  • Physically, digitally, socially, financially

• Disproportionately impacting existing neighborhoods of color
Enduring Divergence

• Urban Sociology—Enduring properties of neighborhoods
• Economics—Diverging forces of attraction
• Baltimore's Black Butterfly

• 4 Key Tenets of Neighborhood Change
  • Size (Balance) Matters
  • Ecosystems (Networks) Matter
  • Spillover (Interactions) Effects Matter
  • Black Neighborhoods Matter
Project Organization

ANALYZE

COMMUNICATE

ENGAGE
Thank You
Community Change Students!
Analyze
Outline for each of the 6 reports

Issue Brief #1 How Have Baltimore’s Communities Changed by Population Size and Sociodemographics

Issue Brief #2 How Have Baltimore’s Communities Ensured Housing Diversity for All

Issue Brief #3 How Have Baltimore’s Communities Ensured Building Occupancy and Rehabilitation

Issue Brief #4 How Have Baltimore’s Communities Increased Accessibility and Mobility

Issue Brief #5 How Have Baltimore’s Communities Become More Connected

Issue Brief #6 How Have Baltimore’s Communities Improved Quality of Life
What Changed?
Community Characteristics

**Communities that Grew**

- Percent Population 16-64 Employed
- Percent of Residents White/Caucasian (Non-Hispanic)
- Racial Diversity Index
- Median Price of Homes Sold
- Median Household Income
- Percent of Population 25-64 Years old

- Number of New Construction Permits per 1,000 Residential Properties

**Communities that Declined**

- Percent of Residents Black/African-American (Non-Hispanic)
- Unemployment Rate
- Percent of Residential Sales for Cash

- Percent Residential Properties that do not Receive Mail

- Percent of Households with No Internet at Home
- Percent Population 16-64 Not in Labor Force
- Percentage of Residential Properties that are Vacant and Abandoned
- Affordability Index - Rent
- Percent of Female-Headed Households with Children Under 18
- Percent of Family Households Living Below the Poverty Line
- Percent of Workers Traveling to Work over 45 minutes
How did Communities Change?

Growing Communities Changed

- Change in Percent Population (Over the Age of 18) Who Voted in the General Election
- Annual Change in Number of Students Officially Enrolled
- Percent Change of Residents - Black/African-American (Non-Hispanic)
- Change in Percent of Households with Children Under 18
- Change in Median Household Income

Declining Communities Changed

- Change in Number of Overdose Calls for Service per 1,000 Residents
- Change in Part 1 and Property Crime Rate per 1,000 Residents
- Change in Number of Persons with Library Cards per 1,000 Residents
- Change in Percent Residential Properties that do Not Receive Mail
- Change in Rate of Street Light Outages per 1,000 Residents
- Change in Number of Automobile Accident Calls for Service per 1,000 Residents
What Do We Have to Do?
Example of Data Answering Questions
Reconnect Communities

Digitally
Physically
Socially
Financially
Civically
Communication
ArcGIS Data Hub

https://communitychange-bniajfi.hub.arcgis.com/

• ESRI Online StoryMaps for each research brief; open data
  • Embedded content from Tableau, Plotly
Percent Population Change By CSA, 2010-2020
## Legacy Effects of Development

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<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<tbody>
<tr>
<td>More than a 2.0% Increase</td>
<td>1.3</td>
<td>4.3</td>
<td>12.7</td>
<td>39.7</td>
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<tr>
<td>+2.0% to -2.0%</td>
<td>61.3</td>
<td>13.0</td>
<td>15.0</td>
<td>17.5</td>
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<tr>
<td>-2.1% to -6.0%</td>
<td>0.0</td>
<td>40.1</td>
<td>11.7</td>
<td>6.6</td>
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<tr>
<td>-6.1% to -10.0%</td>
<td>5.6</td>
<td>14.9</td>
<td>11.7</td>
<td>8.9</td>
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<tr>
<td>More than -10.1% Decrease</td>
<td>31.8</td>
<td>27.7</td>
<td>49.0</td>
<td>27.2</td>
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### Community Statistical Area Population Change, 2010-2020

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<tr>
<th>Population Change 2010-2020</th>
<th>More than 2.0% Increase</th>
<th>+2.0% to -2.0%</th>
<th>-2.1% to -6.0%</th>
<th>-6.1% to -10.0%</th>
<th>More than -10.1% Decrease</th>
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<td>A (Best)</td>
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<td>B (Still Desirable)</td>
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<td>C (Declining)</td>
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<td>D (Hazardous)</td>
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*Home Owners' Loan Corporation (HOLC) Redlining from Esri*
Engage
What happened in your community in the last decade?

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<th>Events or Developments</th>
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<tr>
<td>More vacant properties</td>
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<td>Homeless encampments</td>
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<td>More 21st century schools</td>
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<td>More open space projects</td>
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<td>More illegal dumping</td>
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<td>Coppin State renovations</td>
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<tr>
<td>Working on a master plan for SWHP</td>
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<td>Open air drug markets</td>
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<td>City watch cameras</td>
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Community Change Summit

- Collaboratively develop community-based solutions
- Webinars with Expert Respondents
- March 21-26, 2022
- Trained and Paid community facilitators
- Neighborhood Trivia Nights in March
Community Connections

• Over 80 participants citywide
• 108 community solutions
• Lots of immediate issues:
  • Trash, homelessness, shootings
• Lots of concerns about transportation and housing
What Do Communities Want?
Stay Connected with Us

https://bniajfi.org/stay-connected/
Facebook.com/bniajfi
Twitter.com/bniajfi
Instagram.com/bniajfi
Email us at bnia-jfi@ubalt.edu
Questions?

Seema D. Iyer, PhD

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#BmoreCommunityChange